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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
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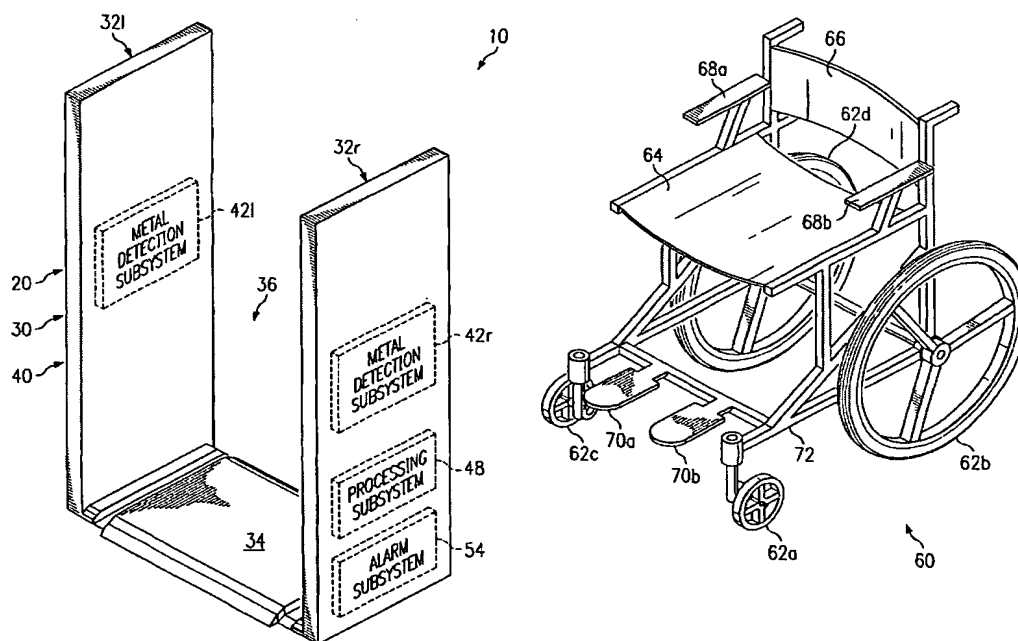
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11 March 2004

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD FOR SCANNING INDIVIDUALS FOR ILLICIT OBJECTS



(57) Abstract: A system (10) and method for scanning individuals for illicit objects includes the ability to scan a wheeled user transport device (60) and an individual being transported thereby for metallic objects and to determine whether an illicit object may be present, without activating an alarm for the user transport device (60) while detecting illicit objects on the individual.

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/03 02/32720

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01V3/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 384 281 A (COOPER MICHAEL N) 17 May 1983 (1983-05-17) column 4, line 25 - line 68 column 9, line 1 - line 17 ---	1-3,11, 19,22, 24-26, 30,36, 37,42,47
X	US 5 790 685 A (SALLEE BRADLEY T) 4 August 1998 (1998-08-04) column 3, line 40 - column 4, line 51 column 7, line 4 - line 9 -----	1-5,11, 19, 22-26, 30,31, 36,37, 41-43, 47,48

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
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- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

28 January 2003

Date of mailing of the international search report

12.04.03

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INTERNATIONAL SEARCH REPORT

International application No.
CT/US 02/32720

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-15, 11, 19, 22-26, 30, 31, 36, 37, 41-43, 47, 48

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-5,11,19,22-26,30,31,36,37,41-43,47,48

Scanning system for illicit objects using a plurality of magnetic field detectors

2. Claims: 1,6,9-11,16-18,25,27,28,36,38,39,47,49,50,55

Scanning system for illicit objects applicable to a wheelchair

3. Claims: 1,7,8,11-15,25,32-34,36,44-47, 51-53

Scanning system for illicit objects using a guide set

4. Claims: 19-21,25,29,35,36,40,47,54

Scanning system for illicit objects using a threshold criterion

INTERNATIONAL SEARCH REPORT

ation on patent family members

International Application No

PCT/US 02/32720

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 4384281 A	17-05-1983	AU 539605 B	04-10-1984
		AU 7621081 A	06-05-1982
		BE 890920 A	29-04-1982
		CA 1168727 A	05-06-1984
		DE 3143002 A	19-05-1982
		FR 2493531 A	07-05-1982
		GB 2087197 A,B	19-05-1982
		GB 2101454 A,B	12-01-1983
		GB 2101455 A,B	12-01-1983
		GB 2101456 A,B	12-01-1983
		IT 1142894 B	15-10-1986
		JP 57134789 A	20-08-1982
		NL 8104644 A	17-05-1982
		SE 8106399 A	01-05-1982
		ZA 8106599 A	23-02-1983

US 5790685 A	04-08-1998	AU 6403096 A	30-01-1997
		WO 9701771 A	16-01-1997

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